



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 29, 1987

TO: Board of Oil, Gas and Mining
THRU: Kenneth E. May, Associate Director, Mining
THRU: Lowell P. Braxton, Program Administrator
FROM: Frank R. Jensen, Reclamation Soils Specialist *Frank Jensen*
RE: Request for Concurrence on Form and Amount of Surety, Utah
Interstate Brick Company, Jim Gay Mine, M/049/005, Utah
County, Utah

Attached for your review are the following documents:

1. An Executive Summary of the subject operation.
2. The Division's reclamation surety estimate of \$61,816.00 (1996 dollars).
3. A copy of the reclamation bond submitted by the operator in the amount of \$61,816.00.

The Division seeks the Board's concurrence on the form and amount of surety for this project.

kg
Attachments
1252R/24

EXECUTIVE SUMMARY - NEW PERMIT

Mine Name: Jim Gay Mine
Operator: Interstate Brick Company
9780 South 5200 West
West Jordan, Utah 84084
Telephone: 801-561-1471
Contact Person: Mr. Harvey P. Cahoon
Life of Mine: 35 Years
Legal Description: Sections 12 and 13, Township 7 South, Range 1 West, and
Section 7, Township 7 South Range 1 East, SLBM.
Mineral(s) to be Mined: Clay
Mining Methods: Surface Mine
Acres to be Disturbed: 50 Acres
Present Land Use: Rangeland and mining
Postmining Land Use: Rangeland
Variances from Reclamation Standards (Rule M-10) Granted: M-10(3)&M-10(5)

Soils and Geology:

Soil Description: Saline, sodic, gravelly sandy loam, moderate to well
drained.
pH: 8.2 - 8.5
Special Handling Problems: Moderate erosion hazard.
Geology Description: Manning Canyon shale formation (Paleozoic) - Highly
fractured and faulted interbedded limestones and clays (shales)

Hydrology:

Ground Water Description: Water table is located below the zone of mining.
However, due to the highly fractured nature of the limestone in the
area, several small seeps and one spring discharge from the pit highwalls.
Surface Water Description: Except for a small spring issuing from a
limestone highwall in one of the pits, there is no perennial water on the
permit area. No significant intermittent or ephemeral channels are found
within the disturbed area.
Water Monitoring Plan: None required. Insignificant impact to water
resources.

Ecology:

Vegetation Type(s); Dominant Species: Sagebrush Community; Big Sage,
Downy brome, Broom snakeweed
Percent Surrounding Vegetative Cover: 42 percent
Wildlife Concerns: None.
Surface Facilities: None.
Mining and Reclamation Plan Summary: See attached summary

Surety:

Amount: \$61,800
Form: Bond
Renewable Term: 10 years (1996 dollars)

ATTACHMENT

Mining and Reclamation Plan Summary
Interstate Brick Company
Jim Gay Mine
ACT/047/005

September 26, 1986

During Operations:

1) No additional surface disturbance is proposed as future clay removal will occur within presently disturbed areas. Open pit mining of the clay seams will proceed along strike. Overburden will be ripped by bulldozer, backfilled into mined-out portions of the pit where practical, or placed on existing dumps. The clay will then be ripped by bulldozer, loaded into end-dump trucks and transported to on-site stockpiles.

Following Operations:

1) All disturbed areas, including roads and pads, which were constructed, upgraded or used for on-site operations will be reclaimed upon final termination of mining activities.

2) Overburden material will be stabilized and graded to a rounded configuration with slopes not exceeding 2:1 (H:V). All highwalls not specifically exempted by the Division will be rounded and graded to a 1:1 slope or less.

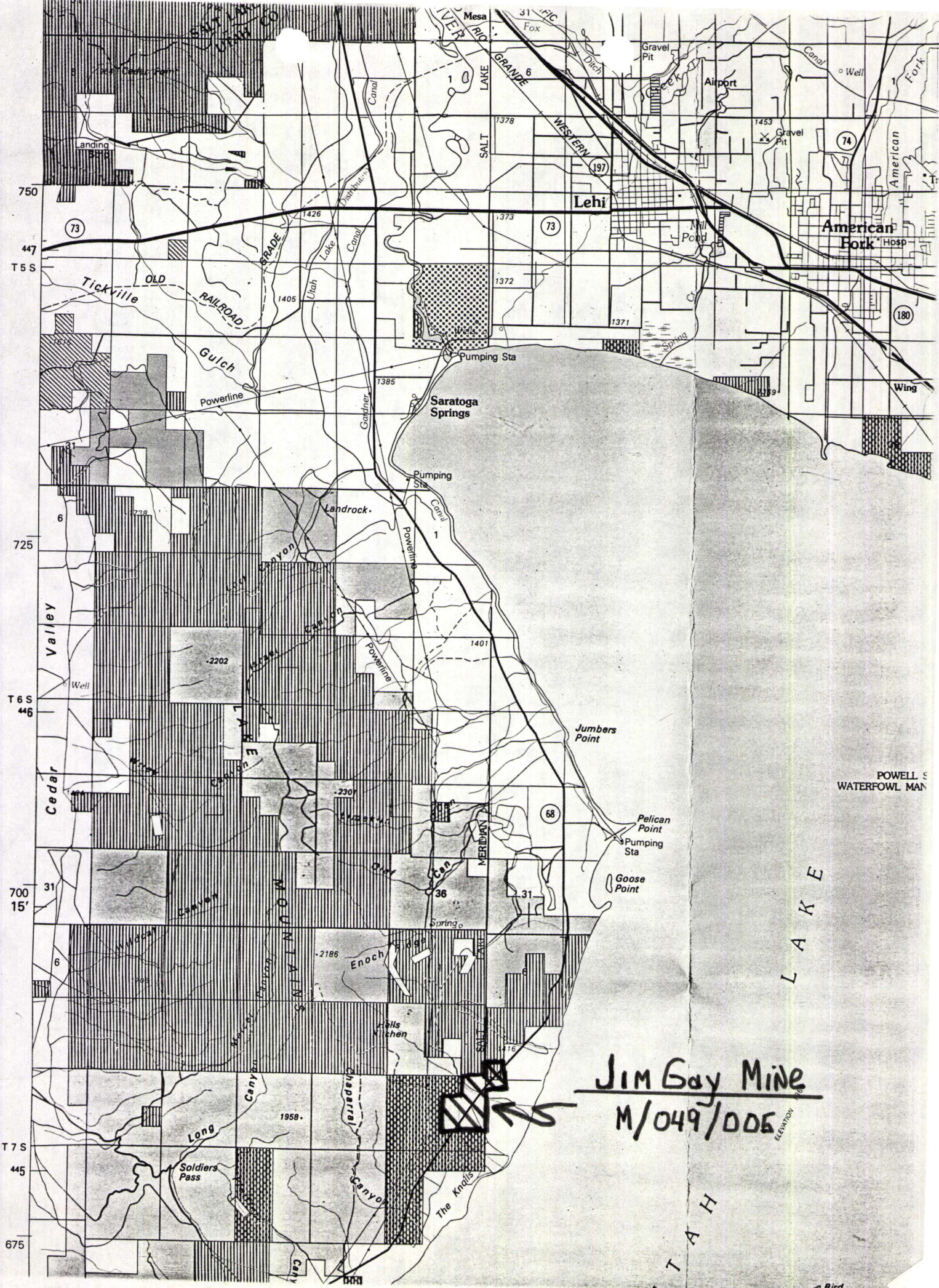
3) As topsoil was not stockpiled prior to the initial surface disturbance at this site, subsoil materials will serve as substitute topsoil medium for revegetation. Appropriate amendments will be utilized to supplement the subsoil upon final reclamation.

4) Standard agronomic practices will be used to prepare the seedbed for drill and/or broadcast seeding. Disturbed areas will be reclaimed with native vegetative species.

5) All equipment and extraneous debris will be removed from the minesite.

6) Pursuant to an approved variance request to M-10(5), Interstate will not not reduce the existing highwalls cut into the competent limestone on the northern edge of the main pit. Division approval was based on the determination that reduction to a 45 degree slope would result in excessive damage to the undisturbed land above the highwall.

7) Due to the topography, geology, and nature of the mining operation, removal of clay has created an impounding depression. The Division has approved a variance request to M-10(3) based on the determination that water impounded on this site is ephemeral in nature as it is quickly dissipated by seepage and evaporation.



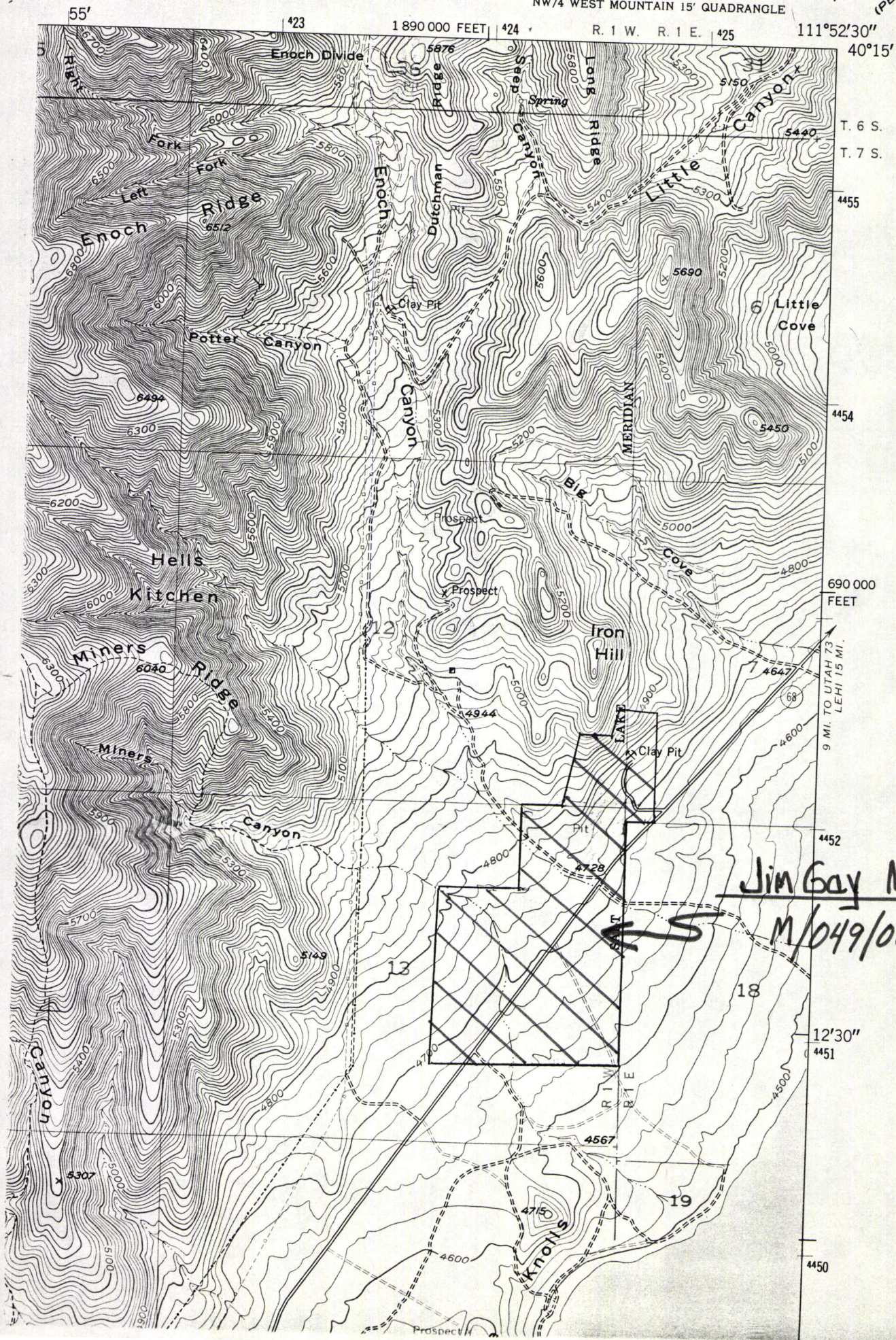
POWELL'S
WATERFOWL MAN

Jim Gay Mine
M/049/006

SOLDIERS PASS QUADRANGLE
UTAH-UTAH
7.5 MINUTE SERIES (TO. GRAPHIC)

NW/4 WEST MOUNTAIN 15' QUADRANGLE

3664 IV SE
(PELICAN POINT)



BOND ESTIMATE SUMMARY FOR THE JIM GAY MINE
INTERSTATE BRICK COMPANY
ACT/049/005

Estimate Updated as of September 1986 - J.R. Harden

BOND ESTIMATE SUMMARY

A.	Removal of Structures and Equipment	\$ 0
B.	Removal of Trash	\$ 3,010
C.	Revegetation	\$ 25,862
D.	Safety	\$ 16,957
E.	Foundation Elimination	\$ 0
F.	Monitoring	\$ 2,102

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SUBTOTAL

\$ 47,931

Contingency & Contractural @ 10%

\$ 4,793

TOTAL ESTIMATE IN 1986\$

\$ 52,724

Escalation @ 1.62% per year (MEANS)

TOTAL ESTIMATE IN 1991\$

\$ 57,135

TOTAL BOND AMOUNT REQUIRED

\$ 57,000

0457R-63

UPDATE JUNE 1987

10 year Bonding Period
(1987-1996)

\$ 61,816

RECEIVED
JUL 17 1987(August 1985)
(Noncoal)DIVISION OF
OIL, GAS & MININGBond Number _____
Permit Number Jim Gay Mine
ACT/G49/005STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

THE MINED LANDS RECLAMATION ACT

BOND

The undersigned Interstate Brick Company
as principal, and Seaboard Surety Company as
surety, hereby jointly and severally bind ourselves, our heirs, administrators,
executors, successors and assigns unto the State of Utah, Division of Oil, Gas
and Mining in the penal sum of sixty-one thousand eight hundred sixteen dollars
and no/100----- dollars (\$ 61,816.00).

The principal estimated in the Mining and Reclamation Plan filed with the
Division of Oil, Gas and Mining on the 30 day of September
19 86, that 50.1 acres of land will be disturbed
by this mining operation in the State of Utah. A description of the disturbed
land is attached hereto as Exhibit "A."

When the Division has determined that the principal has satisfactorily
reclaimed the above-mentioned lands affected by mining in accordance with the
approved Mining and Reclamation Plan and has faithfully performed all
requirements of the Mined Land Reclamation Act, and complied with the Rules
and Regulations adopted in accordance therewith, then this obligation shall be
void; otherwise it shall remain in full force and effect until the reclamation
is completed as outlined in the approved Mining and Reclamation Plan.

If the approved plan provides for reclamation of the land affected on a
piecemeal or cyclic basis, and the land is reclaimed in accordance with such
plan, then this bond may be reduced periodically.

In the converse, if the plan provides for a gradual increase in the area
of the land affected or increased reclamation work, then this bond may
accordingly be increased with the written approval of the surety company.

The Division shall only accept the bond of a surety company if the bond is
noncancellable by the surety at any time for any reason including, but not
limited to nonpayment of premium or bankruptcy of the permittee during the
period of liability.

NOTE: Where one signs by virtue of Power of Attorney for a surety company, such Power of Attorney must be filed with this bond. If the principal is a corporation, the bond shall be executed by its duly authorized officer.

Dated this 19 day of June, 19 87.

State of Utah
Board of Oil, Gas and Mining

Gregory P. Williams, Chairman

INTERSTATE BRICK COMPANY

Principal (Company)

By *Clyde M. Allen - President*
Company Officer - Position

Date: June 19, 1987

SEABOARD SURETY COMPANY

Surety (Company)

By *Gary W. Manville*
Surety Company Officer - Position
Gary W. Manville Attorney-in-Fact

DATE: June 19, 1987

APPROVED AS TO FORM:

By *Gabriel W. Roberts*
Assistant Attorney General



**INTERSTATE
BRICK COMPANY**

General Office/Plant

9780 South 5200 West

West Jordan, Utah 84084

801/561-1471

Out of state (WATS): 800/233-8654

In state (WATS): 800/233-1244

° Section 13. Township 7 South, Range 1 West, Salt Lake Base and Meridian, Utah County, Utah.

Proposed disturbance area (general description): NE $\frac{1}{4}$ and SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 13, specifically, commencing at the Northeast corner of the above described Section 13, and running thence West 1300 feet along the North section line of said section, thence South 1700 feet, thence East 1300 feet to the East section line of said section, thence North 1700 feet to the point of beginning.

The actual proposed disturbance area is shaded on the mine detail map and contains 25.4 acres.

If any more information is required please do not hesitate to request it.

Sincerely,

Lance Jackson

Lance Jackson

Raw Materials Supervisor

enclosures

LJ/wp